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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Gregory J. Faanes et al.

Title: DECOUPLED VECTOR ARCHITECTURE

Docket No.: 1376.699US1

Filed: August 18, 2003

Examiner: Unknown

Serial No.: 10/643,586

Due Date: N/A

Group Art Unit: 2186

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ A return postcard.
- ☒ A Communication Concerning Related Applications (2 pgs.).
- ☒ An Information Disclosure Statement (2 pgs.), Form 1449 (2 pgs.), and copies of 8 cited documents.

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
Customer Number 21186

By: Thomas F. Brennan  
Atty: Thomas F. Brennan  
Reg. No. 35,075

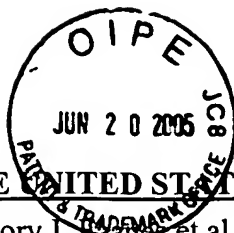
CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 16th day of June, 2005.

JAMES KANYUSIK  
Name

James Kanyusik  
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
(GENERAL)

S/N 10/643,586



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Gregory J. Parnis et al.

Examiner: Unknown

Serial No.: 10/643,586

Group Art Unit: 2186

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COMMUNICATION CONCERNING RELATED APPLICATIONS

MS Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related applications in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date</u>	<u>Attorney Docket</u>	<u>Title</u>
10/643742	August 18, 2003	1376.697US1	DECOUPLED STORE ADDRESS AND DATA IN A MULTIPROCESSOR SYSTEM
10/643585	August 18, 2003	1376.700US1	LATENCY TOLERANT DISTRIBUTED SHARED MEMORY MULTIPROCESSOR COMPUTER
10/643754	August 18, 2003	1376.724US1	RELAXED MEMORY CONSISTENCY MODEL
10/643758	August 18, 2003	1376.729US1	REMOTE TRANSLATION MECHANISM FOR A MULTINODE SYSTEM

10/643741      August 18,      1376.733US1      MULTISTREAM PROCESSING  
2003      MEMORY-AND BARRIER-  
SYNCHRONIZATION METHOD AND  
APPARATUS

Respectfully submitted,

GREGORY J. FAANES ET AL.

By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
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Date June 16, 2005 By Thomas F. Brennan  
Thomas F. Brennan  
Reg. No. 35,075

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 16TH day of June, 2005.

JAMES KAWYUSIK  
Name

James Kluth  
Signature



S/N 10/643,586



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Gregory J. Faanes et al.	Examiner:	Unknown
Serial No.:	10/643,586	Group Art Unit:	2186
Filed:	August 18, 2003	Docket:	1376.699US1
Title:	DECOUPLED VECTOR ARCHITECTURE		

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**INFORMATION DISCLOSURE STATEMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

GREGORY J. FAANES ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6909

Date June 16, 2005

By Thomas F. Brennan  
Thomas F. Brennan  
Reg. No. 35,075

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JAMES KAWYUSIK  
Name

James K. Kawyusik  
Signature

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE

## STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/643,586
Filing Date	August 18, 2003
First Named Inventor	Faanes, Gregory
Group Art Unit	2186
Examiner Name	Unknown

Attorney Docket No: 1376.699US1

## US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2004/0044872 A1	03/04/2004	Scott, S. L.	09/04/2002
	US-2004/0162949 A1	08/19/2004	Scott, S. L., et al.	02/18/2003
	US-2005/0044128 A1	02/24/2005	Scott, S. L., et al.	08/18/2003
	US-2005/0044340 A1	02/24/2005	Sheets, K., et al.	08/18/2003
	US-6,308,250	10/23/2001	Klausler, P. M.	06/23/1998
	US-RE28,577	10/21/1975	Schmidt, William G.	11/21/1973

## OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		ABTS, D., "So Many States, So Little Time: Verifying Memory Coherence in the Cray X1", <u>Parallel and Distributed Processing Symposium</u> , (April 22, 2003), 11-20	
		GHARACHORLOO, K., "Two Techniques to Enhance the Performance of Memory Consistency Models", <u>Proceedings of the International Conference on Parallel Processing</u> , (1991), 1-10	
		HENNESSY, J. L., <u>Computer Architecture A Quantitative Approach</u> , Second Edition, Morgan Kaufman Publishers, Inc., (1996), 39-41	
		SCOTT, S. L., "DECOUPLED STORE ADDRESS AND DATA IN A MULTIPROCESSOR SYSTEM", <u>US Patent Application Ser. 10/643,742</u> , filed August 18, 2003 (1376.697US1), 27 Pages	
		SCOTT, S. L., "LATENCY TOLERANT DISTRIBUTED SHARED MEMORY MULTIPROCESSOR COMPUTER", <u>US Patent Application Ser. No. 10/643,585</u> , filed August 18, 2003 (1376.700US1), 17 Pages	
		SCOTT, S. L., et al., "MULTISTREAM PROCESSING MEMORY-AND BARRIER-SYNCHRONIZATION METHOD AND APPARATUS", <u>US Patent Application Ser. No. 10/643,741</u> , filed August 18, 2003 (1376.733US1), 143 pages	
		SCOTT, S. L., et al., "RELAXED MEMORY CONSISTENCY MODEL", <u>US Patent Application Ser. No. 10/643,754</u> , filed August 18, 2003 (1376.724US1), 144 Pages	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional) <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/643,586
Filing Date	August 18, 2003
First Named Inventor	Faanes, Gregory
Group Art Unit	2186
Examiner Name	Unknown

Sheet 2 of 2

Attorney Docket No: 1376.699US1

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		SHEETS, K., et al., "REMOTE-TRANSLATION MECHANISM FOR A MULTINODE SYSTEM", <u>US Patent Application Ser. No. 10/643758, filed August 18, 2003 (1376.729US1), 42 Pages</u>	

**EXAMINER****DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

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